

HISTORIC AMERICAN ENGINEERING RECORD

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ROCKY FLATS PLANT, ANALYTICAL HEALTH PHYSICS  
LABORATORY

HAER No. CO-83-B

(Rocky Flats Plant, Building 123)

Located on Central Avenue between Third and Fourth streets.

Golden Vicinity

Jefferson County

Colorado

Photographs by Timothy McGrath and Katherine T. Abeyta, Source One, Rocky Flats Environmental Technology Site, site photography contractor, spring 1997.

CO-83-B-1 VIEW IN ROOM 125, BIOASSAY LABORATORY. SHOWN IS THE FIRST STEP IN A SIX-STEP PROCESS TO ANALYZE URINE SAMPLES FOR PLUTONIUM AND URANIUM CONTAMINATION. IN THIS STEP, NITRIC ACID IS ADDED TO SAMPLE, AND THE SAMPLE IS BOILED DOWN TO A WHITE POWDER.

CO-83-B-2 VIEW IN ROOM 111, ATOMIC ABSORPTION BERYLLIUM ANALYSIS LABORATORY. AIR FILTERS AND SWIPES ARE DISSOLVED WITH ACIDS AND THE REMAINING RESIDUES ARE SUSPENDED IN NITRIC ACID SOLUTION. THE SOLUTION IS PROCESSED THROUGH THE ATOMIC ABSORPTION SPECTROPHOTOMETER TO DETECT THE PRESENCE AND LEVELS OF BERYLLIUM.